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FIG. 1

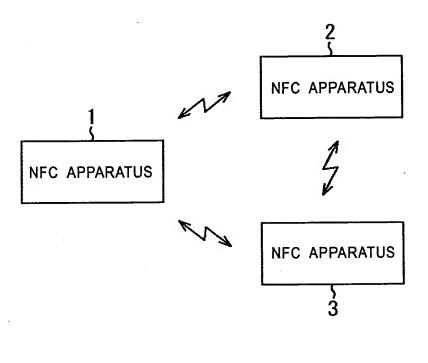


FIG. 2

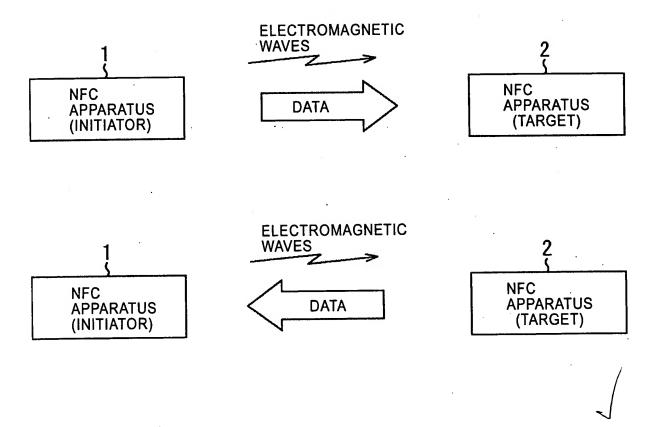


FIG. 3

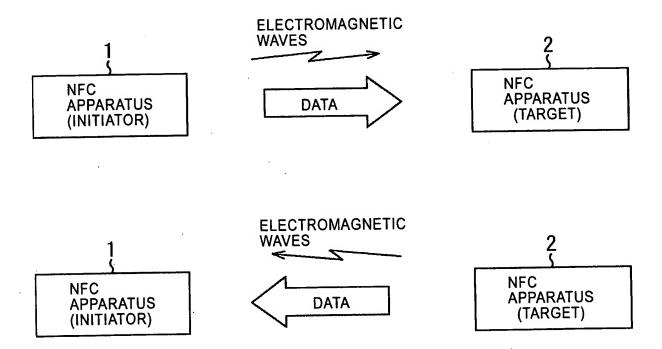
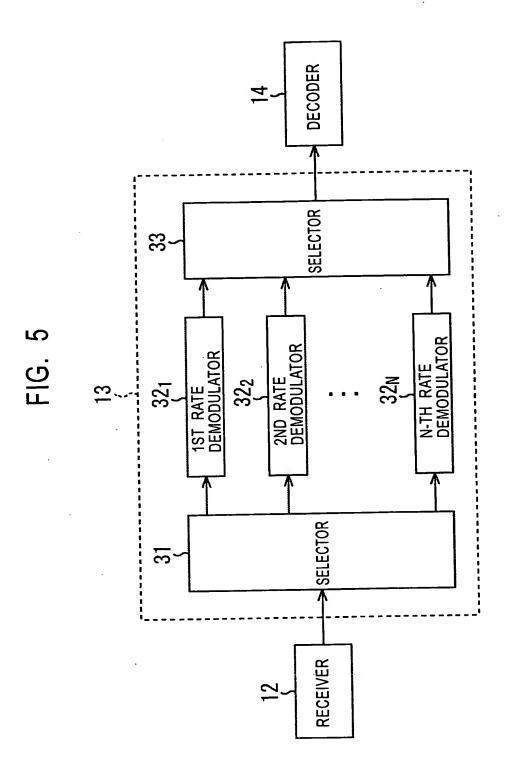
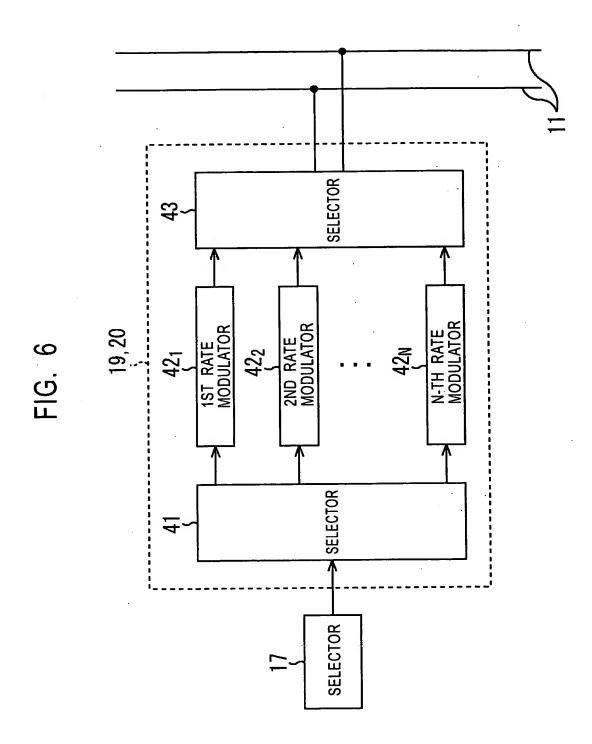


FIG. 4 11 12 **RECEIVER DETECTOR** 23 13 20 LOAD **DEMODULATOR MODULATOR** 17 **DECODER** -19 MODULATOR **SELECTOR** 14 **ELECTROMAGNETIC** -18 -16 **ENCODER** WAVE OUTPUT UNIT 1,5 DATA PROCESSOR (PROTOCOL PROCESSOR) **RANDOM** NUMBER POWER UNIT CONTROLLER **GENERATOR** 24 <u>7</u> 21 22

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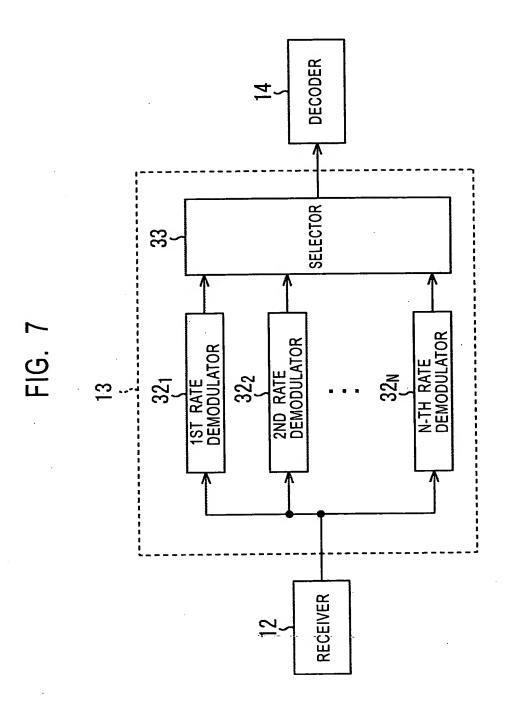
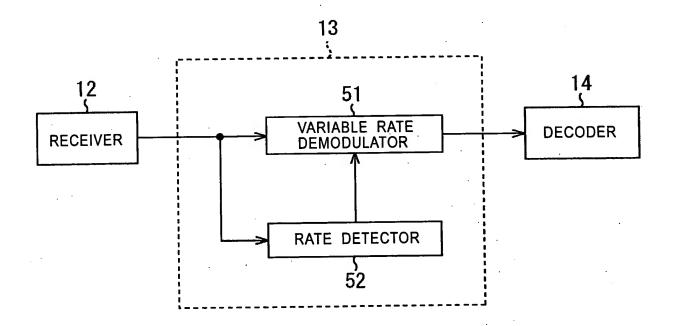


FIG. 8



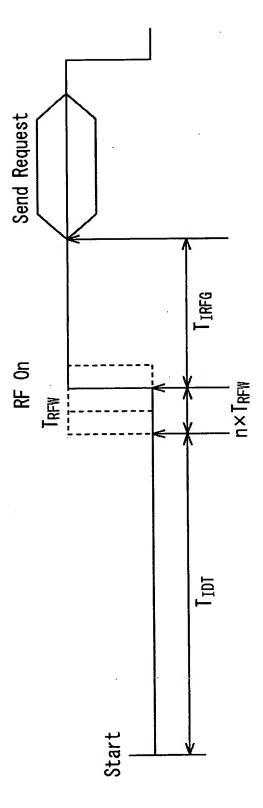


FIG. 9

 $T_{IDT}\colon$ Initial delay time. $T_{IDT}{>}4~096/fc$

T_{RFW}: RF waiting time. 512/fc

n: randomly generated number of Time Periods for TRFW.

0 ≤ n ≤ 3

 $T_{ extsf{RFG}}$: Initial guard-time between switching on RF field and start to send command or data frame.

 $T_{\rm IRFG} > 5~{\rm ms}$

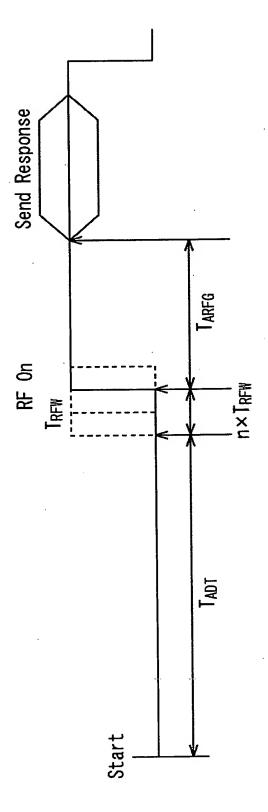


FIG. 10

 T_{ADT} : Active delay time, sense time between RF off Initiator/Target and Target/Initiator.

 $(768/fc \le I_{ADT} \le 259/fc)$

 T_{RFW} : RF waiting time. (512/fc)

Randomly generated number of Time Periods for TRFW. (0 $\leq n \leq 3)$

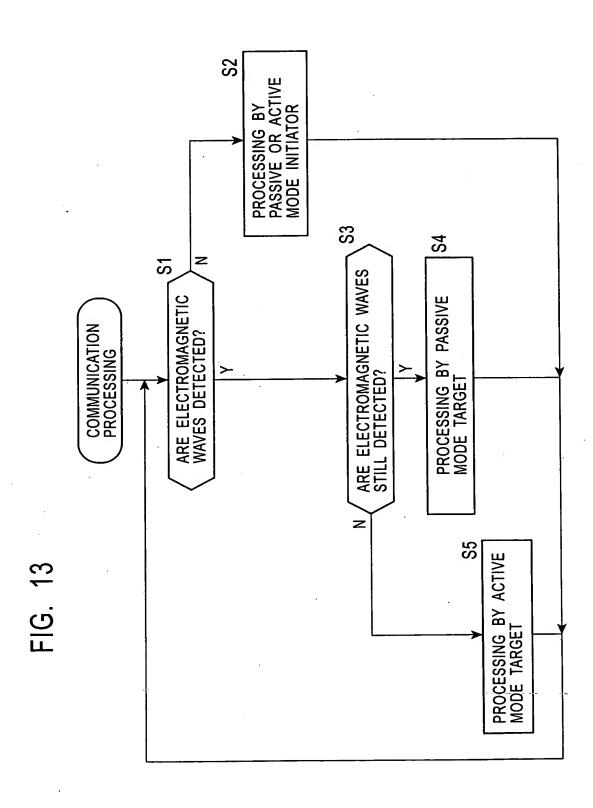
TARFG: Active guard time between switching on RF field and start to send command. (TARFG >1024/fc)

	← b1 →	V Is V	<u></u> √ S →	<- 1s →	← Is →
		TIME SLOT #0	TIME SLOT #1	TIME SLOT #2	TIME SLOT #3
SEND POLLING REQUEST FRAME		TARGET #4 SENDS POLLING RESPONSE FRAME	TARGET #1 SENDS POLLING RESPONSE FRAME	TARGET #5 SENDS POLLING RESPONSE FRAME	TARGET #2 SENDS POLLING RESPONSE FRAME
			TARGET #3 SENDS POLLING RESPONSE FRAME		

FIG. 11

FIG. 12

COMMAND/RESPONSE
ATR_REQ
ATR_RES
WUP_REQ
WUP_RES
PSL_REQ
PSL_RES
DEP_REQ
DEP_RES
DSL_REQ
DSL_RES
RLS_REQ
RLS_RES



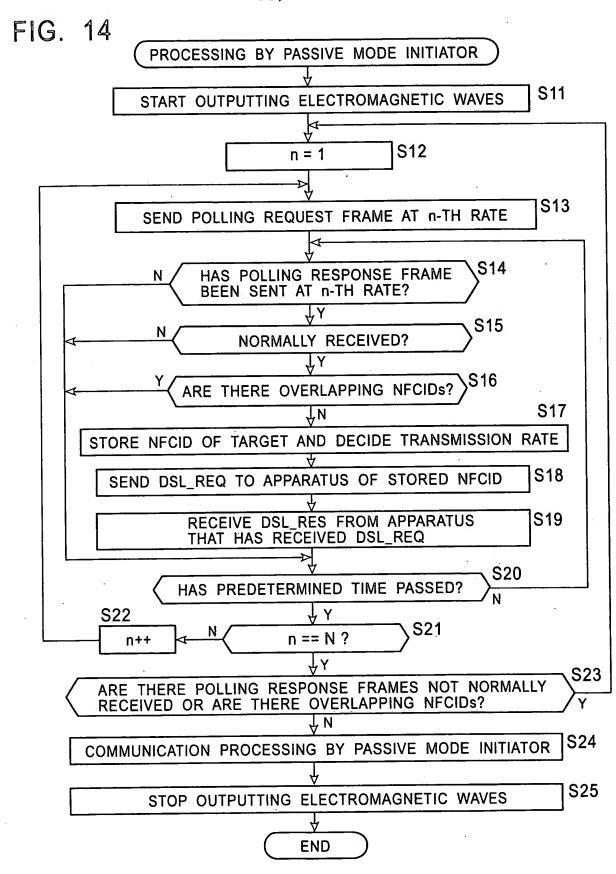


FIG. 15

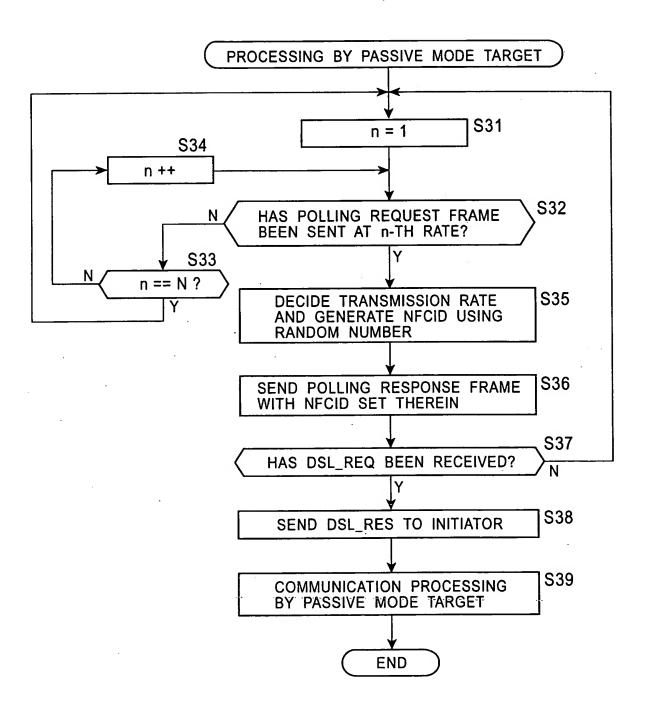


FIG. 16

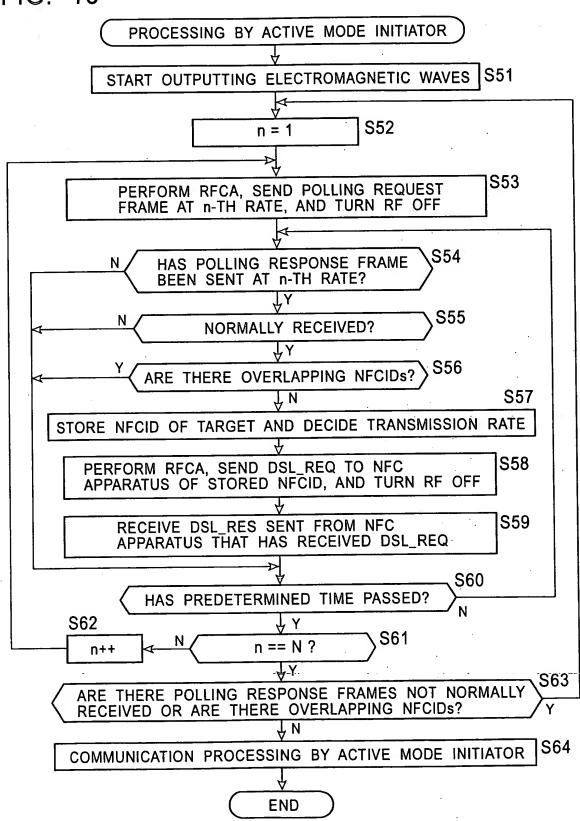


FIG. 17

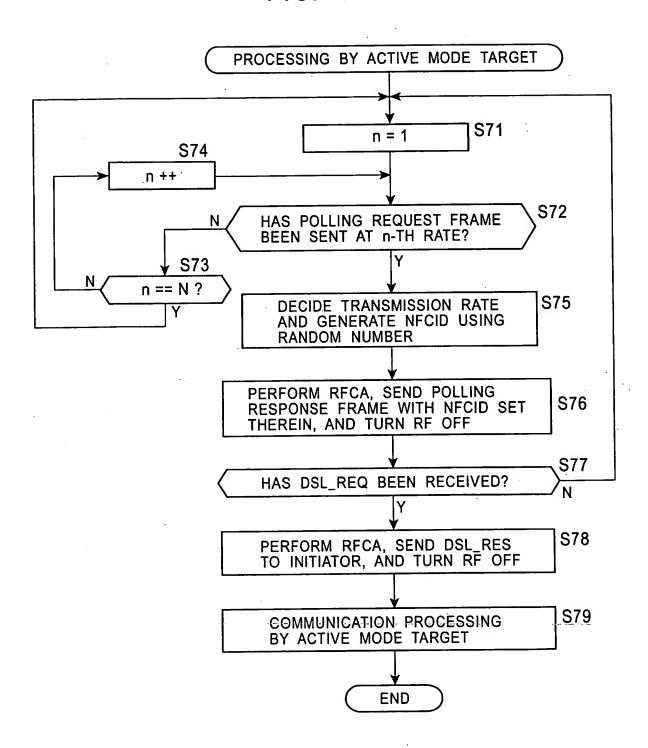


FIG. 18

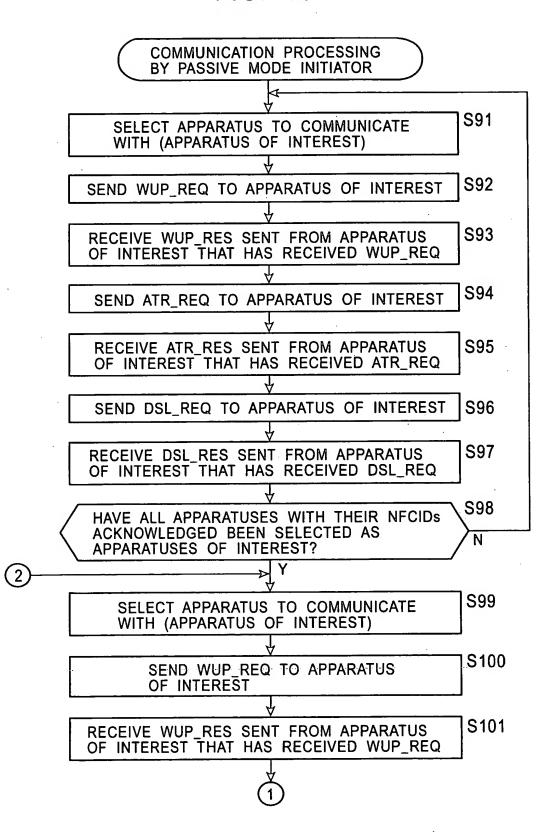
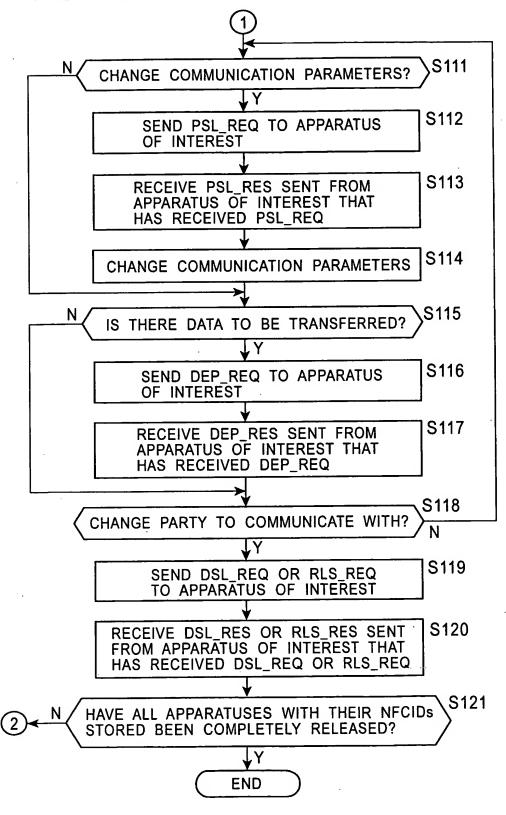


FIG. 19



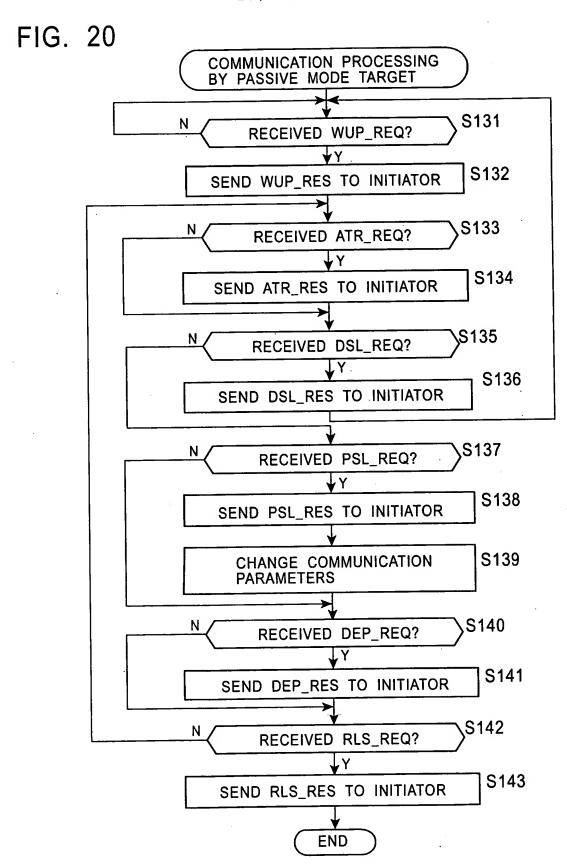
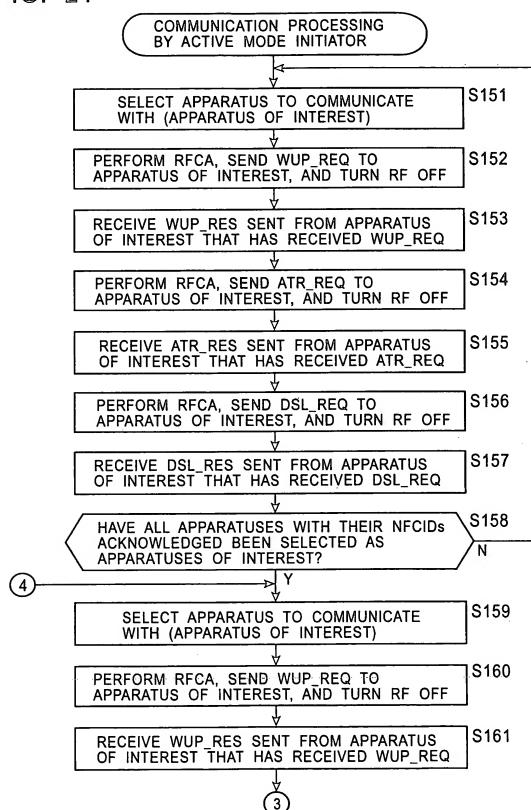


FIG. 21



22 / 23 FIG. 22 S171 CHANGE COMMUNICATION PARAMETERS? S172 PERFORM RFCA, SEND PSL_REQ TO APPARATUS OF INTEREST, AND TURN RF OFF S173 RECEIVE PSL_RES SENT FROM APPARATUS OF INTEREST THAT HAS RECEIVED PSL_REQ S174 CHANGE COMMUNICATION PARAMETERS S175 IS THERE DATA TO BE TRANSFERRED? S176 PERFORM RFCA, SEND DEP_REQ TO APPARATUS OF INTEREST. AND TURN RF OFF S177 RECEIVE DEP_RES SENT FROM APPARATUS OF INTEREST THAT HAS RECEIVED DEP_REQ S178 CHANGE PARTY TO COMMUNICATE WITH? PERFORM RFCA, SEND DSL_REQ OR RLS_REQ TO APPARATUS OF S179 INTEREST, AND TURN RF OFF S180 RECEIVE DSL_RES OR RLS_RES SENT. FROM APPARATUS OF INTEREST THAT HAS RECEIVED DSL_REQ OR RLS_REQ **S181** HAVE ALL APPARATUSES WITH THEIR NFCIDs STORED BEEN COMPLETELY RELEASED?

END

